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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 14

Complete if Known

Application Number	10/709,653
Filing Date	May 20, 2004
First Named Inventor	Tucker, et al.
Art Unit	3672
Examiner Name	

Attorney Docket Number 78.1182

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
b		US- 4150476	04-24-1979	Kita	
b		US- 4077734	03-07-1978	Kita	
		US- 3603414	09-07-1971	Stbley	
		US- 4289211	09-15-1981	Lumen	
		US- 4176725	12-04-1979	Shields	
		US- 2121202	06-21-1938	Killgore	
		US- 2626128	01-20-1953	Boice	
		US- 3134447	05-26-1964	McElya et al.	
		US- 3388757	06-18-1968	Fittinger	
		US- 3401759	09-17-1968	White	
		US- 3442342	05-06-1969	McElya et al.	
		US- 3495668	02-17-1970	Schumacher Jr	
		US- 3599737	08-17-1971	Fischer	
		US- 3628616	12-21-1971	Neilson	
		US- 3726350	04-10-1973	Pessier	
		US- 3727705	04-17-1973	Newman	
		US- 3952815	04-27-1976	Dysart	
b		US- 3970158	07-20-1976	Black et al.	
b		US- 4006788	02-08-1977	Garner	

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b		EP0501258 A1	09-02-1992	Hughes Tool Co		
b		EP0500514 A1	08-26-1992	Sandvik Aktiebo		
b		EP0476352 A1	03-25-1992	Hughes Tool Co		
b		EP0467870 A1	01-22-1992	Smith Inter		
b		EP0453428 A1	10-23-1991	Sandvik Aktiebo		
b		EP0449415 A2	02-21-1991	Camco Internat		

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		Number-Kind Code ² (<i>if known</i>)			
		US- 4058177	11-15-1977	Langford, Jr et al.	
		US- 4067406	01-10-1978	Garner et al.	
		US- 4086973	05-02-1978	Keller et al.	
		US- 4108260	08-22-1978	Bozarth	
		US- 4108692	08-22-1978	Quinlan	
		US- 4140189	02-20-1979	Garner	
		US- 4148368	04-10-1979	Evans	
		US- 4150728	04-24-1979	Garner et al	
		US- 4168923	09-25-1979	Vezirian	
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		US- 4187922	02-12-1980	Phelps	
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		US- 4203496	05-20-1980	Baker, III et al.	
		US- 4211508	07-08-1980	Dill et al.	
		US- 4231438	11-04-1980	Garner et al.	
		US- 4254840	03-10-1981	Shay, Jr	
		US- 4303137	12-01-1981	Fischer	
		US- 4334586	06-15-1982	Schumacher	
		US- 4343371	08-10-1982	Baker, III et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)				
		EP0142941 A1	05-29-1985	Smith Internat		
		EP0955445 A2	11-10-1999	GE		
		EP0916804 A1	05-19-1999	GE		
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		EP0852283 A3	07-08-1998	GE		
		EP0823535 A2	08-05-1997	Baker Hughes		

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Q		US- 4343372	08-10-1982	Kinzer	
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		US- 4372404	02-08-1983	Drake	
		US- 4386669	06-07-1983	Evans	
		US- 4393948	07-19-1983	Fernandez	
		US- 4398952	08-16-1983	Drake	
		US- 4406337	09-27-1983	Dill	
		US- 4420050	12-13-1983	Jones	
		US- 4427081	01-24-1984	Crawford	
		US- 4441566	04-10-1984	Pessier et al.	
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		US- 4531595	07-30-1985	Housman	
		US- 4554130	11-19-1985	Ecer	
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Q		EP0723066 A3	07-24-1996	Baker Hughes		
Q		EP0527506 A3	02-17-1993	Smith Inter		
Q		EP0511547 A2	11-04-1992	Smith Inter		
		GB2279095 A	12-21-1994	Smith Inter		

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*(Use as many sheets as necessary)***U. S. PATENT DOCUMENTS**

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		US- 4679640	07-14-1987	Crawford	
		US- 4683781	08-04-1987	Kar et al.	
		US- 4694918	09-22-1987	Hall	
		US- 4708752	11-24-1987	Kar	
		US- 4716977	01-05-1988	Huffstutler	
		US- 4722405	02-02-1988	Langford Jr.	
		US- 4764255	08-16-1988	Fischer et al.	
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		US- 4811801	03-14-1989	Salesky et al.	
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		GB2270526 A	03-16-1994	Smith Inter		
		GB2253642 A	09-16-1992	Dresser Indus		
		GB2158101 A	11-06-1985	Smith Inter		

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O		US- 5045092	09-03-1991	Keshavan	
O		US- 5074367	12-24-1991	Estes	
O		US- 5119714	06-09-1992	Scott et al.	
O		US- 5145016	09-08-1992	Estes	
O		US- 5158148	10-27-1992	Keshavan	
O		US- 5159857	11-03-1992	Jurewicz	
O		US- 5172777	12-22-1992	Siracki et al.	
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O		US- 5279374	01-18-1994	Sievers et al.	
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		US- 5291807	03-08-1994	Vanderford et al.	
		US- 5304342	04-19-1994	Hall, Jr. et al.	
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		US- 5372210	12-13-1994	Harrell	
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		US- 5379854	01-10-1995	Dennis	

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		US- 5407022	04-18-1995	Scott et al.	
		US- 5415243	05-16-1995	Lyon et al.	
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		US- 5421423	06-06-1995	Huffstutler	
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Filing Date	May 20, 2004
First Named Inventor	Tucker, et al.
Art Unit	3672
Examiner Name	

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Examiner Initials*	Cite No. ¹	Document Number <small>Number-Kind Code² (if known)</small>	Publication Date <small>MM-DD-YYYY</small>	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		US- 5592995	01-14-1997	Scott et al.	
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Application Number	10/709,653
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Filing Date	May 20, 2004
First Named Inventor	Tucker, et al.
Art Unit	3672
Examiner Name	

Attorney Docket Number 78.1182

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Application Number	10/709,653
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Sheet 14 of 14

Application Number	10/709,653
Filing Date	May 20, 2004
First Named Inventor	Tucker, et al.
Art Unit	3672
Examiner Name	

Attorney Docket Number 78.1182

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		Number-Kind Code ² (<i>if known</i>)			
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